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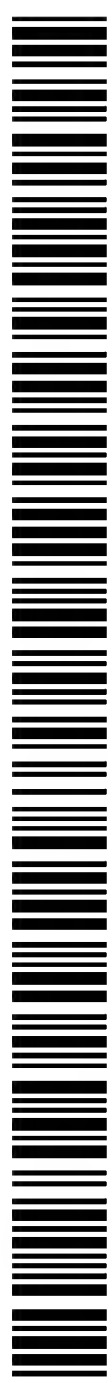
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(54) Title: NANOPARTICLES AND THEIR USE FOR MULTIFUNCTIONAL BIOIMAGING

(57) Abstract: The present invention relates to fluorescent, radio-opaque and magnetic quantum nanoparticles, useful as multifunc-
tional contrast agents or probes for *in vivo* bioimaging, and methods of their use. The invention provides for multifaceted bioimaging
(e.g., intra-arterial pre-operative brain mapping and broad based *in vivo* diagnostic imaging), including imaging of various cell types,
such as stem cells.



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